

Factory Design Utilities

Customer Experience Stories

Customer:

Brioche Pasquier is a family-owned bakery with 18 factories around the world. They design their own production machines and buildings.



“Our goal is to innovate in order to create a technological obstacle for our competitors in each market. Designing internally means we can have just as much control over the design, commissioning, maintenance, and operator integration.”

– **Freddy Papin**, Methods and Projects Coordinator, Brioche Pasquier

[Customer story \(PDF\)](#)

Challenge:

- Wanted control over design, commissioning, maintenance and operator integration
- Needed to share data with partners
- Has to communicate factory designs to people who are less familiar with reading 2D plans

Solution:

- Uses Factory Design Utilities and Revit for factory layouts and the creation of the factories' digital twin
- Sharing data is easier since Autodesk file formats are compatible with formats their partners may use
- Can simulate a virtual factory so people can easily see the future facilities as imagined by the designers

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Customer:

Feige Filling GmbH is a manufacturer of filling machines, filling systems, transport systems and storage technology.



"Thanks to the Factory Design Suite we've been able to strengthen our competitive position."

– **Jörg Duus**, Head of Design Engineering, Feige Filling

[YouTube video \(6 min\)](#)

Challenge:

- Wanted to extend planning capabilities
- Needed to be able to plan from a variety of sources, like a customer's paper drawing, a CAD layout, or site measurements from a 3D laser scan

Solution:

- Easily integrated Factory Design Utilities into existing workflow, and familiar interface makes it easy to use
- Moving between 2D drawings and 3D models, depending on proposal requirements and customer demands, is easier
- Saving time by generating & working with library-based components in 3D
- Now able to assist customers with process optimization and design installation—a competitive advantage for Feige

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Customer:

ELPO GmbH specializes in manufacturing thermoprocessing plants for heat treatment and drying at up to 750 degrees Celsius. They conceptualize and build individual custom solutions for their customers.



“We are achieving much better planning quality in almost the same time. We designed just the system earlier, and in a short while we could create simulations and the entire system environment.”

–Uwe Junk, Managing director of ELPO GmbH

[Customer story \(PDF\)](#)

Challenge:

- Dealing with complex models because each new customer project must be conceptualized and created from scratch
- Solutions must be fitted into the customers' existing structures or plants

Solution:

- Factory Design Utilities is used to plan systems, production lines, and entire factories
- Even the environment of a system (like structural joists and supply and drainage lines) can be illustrated and documented
- Realistic representations during conceptualization helps customers visualize the project
- Planning errors such as collisions can be reduced